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NOTICE OF ALLOWANCE AND FEE(S) DUE

7590

06/26/2003

Cynthia B Rothschild Esq Kilpatrick Stockton LLP 1001 West Fourth Street Winston Salem, NC 27101 EXAMINER

DAVIS, WILLIE L

UNIT CLASS-SUBCLASS

ART UNIT

356-319000

DATE MAILED: 06/26/2003

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/682,365	08/24/2001	Radislav Alexandrovich Potyrailo	RD-28149	9524

TITLE OF INVENTION: METHOD AND APPARATUS FOR IN SITU DETERMINATION OF MOLTEN POLYCARBONATE COMPOSITION USING ELECTRONIC ABSORPTION SPECTROSCOPY

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1300	\$300	\$1600	09/26/2003

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. <u>PROSECUTION ON THE MERITS IS CLOSED.</u> THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE REFLECTS A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE APPLIED IN THIS APPLICATION. THE PTOL-85B (OR AN EQUIVALENT) MUST BE RETURNED WITHIN THIS PERIOD EVEN IF NO FEE IS DUE OR THE APPLICATION WILL BE REGARDED AS ABANDONED.

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I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

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B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check the box below and enclose the PUBLICATION FEE and 1/2 the ISSUE FEE shown above.

□ Applicant claims SMALL ENTITY status. See 37 CFR 1.27.

II. PART B - FEE(S) TRANSMITTAL should be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). Even if the fee(s) have already been paid, Part B - Fee(s) Transmittal should be completed and returned. If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Box ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

			Ar-
	Application No.	Applicant(s)	
Notice of Allewshills.	09/682,365	POTYRAILO ET AL.	
Notice of Allowability	Examiner	Art Unit	
•	Willie Davis	2877	
The MAILING DATE of this communication All claims being allowable, PROSECUTION ON THE MERI' herewith (or previously mailed), a Notice of Allowance (PTO NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATE of the Office or upon petition by the applicant. See 37 CFR 1. This communication is responsive to amendment and 2. The allowed claim(s) is/are 1-56. 3. The drawings filed on are accepted by the Exception 4. Acknowledgment is made of a claim for foreign priori a) All b) Some* c) None of the:	a appears on the cover sheet with TS IS (OR REMAINS) CLOSED in DL-85) or other appropriate comm NT RIGHTS. This application is a 1.313 and MPEP 1308. Id remarks on 5-9-03. Id remarks on 5-9-03. In the content of t	ith the correspondence address this application. If not include unication will be mailed in due subject to withdrawal from issurt of the following of the follo	ed course. THIS e at the initiativ
6. Acknowledgment is made of a claim for domestic prior			
Applicant has THREE MONTHS FROM THE "MAILING DAT below. Failure to timely comply will result in ABANDONMEN 7. A SUBSTITUTE OATH OR DECLARATION must be INFORMAL PATENT APPLICATION (PTO-152) which gives	NT of this application. THIS THR submitted. Note the attached EX	EE-MONTH PERIOD IS NOT I	EXTENDABLE
8. CORRECTED DRAWINGS must be submitted.			
(a) ☐ including changes required by the Notice of Draf 1) ☐ hereto or 2) ☐ to Paper No.	tsperson's Patent Drawing Revie	w (PTO-948) attached	
(b) including changes required by the proposed draw	wing correction filed, which	ch has been approved by the E	xaminer.
(c) including changes required by the attached Exar			
Identifying indicia such as the application number (see 37 of each sheet. The drawings should be filed as a separate	CFR 1.84(c)) should be written on the paper with a transmittal letter address.	ne drawings in the top margin (neessed to the Official Draftsperso	ot the back) n.
9. DEPOSIT OF and/or INFORMATION about the cattached Examiner's comment regarding REQUIREMENT F	deposit of BIOLOGICAL MATE OR THE DEPOSIT OF BIOLOGIC	ERIAL must be submitted. N CAL MATERIAL.	ote the
Attachment(s)			
 1⊠ Notice of References Cited (PTO-892) 3⊠ Notice of Draftperson's Patent Drawing Review (PTO-945 Information Disclosure Statements (PTO-1449), Paper Note That I was a second of Biological Material 	48) 4☐ Interview No 6☐ Examine	f Informal Patent Application (P v Summary (PTO-413), Paper I v's Amendment/Comment v's Statement of Reasons for A	No

Application/Control Number: 09/682,365

Art Unit: 2877

DETAILED ACTION

Drawings

The drawings filed on 8-24-2001 are acceptable subject to correction of the informalities indicated on the attached "Notice of Draftperson's Patent Drawing Review," PTO-948. In order to avoid abandonment of this application, correction is required in reply to the Office action.

The correction will not be held in abeyance.

Allowable Subject Matter

Claims 1-56 are allowed over the prior art of record.

The following is an examiner's statement of reasons for allowance:

In light of the applicant's remarks and amendment on 5-9-03 the following claims are allowed. Regarding claims 1 and 27, the prior art fails to disclose or make obvious a method for *in situ* monitoring of molten polycarbonate polymer and/or oligomer wherein the method comprises a light source, a fiber optic transmission probe that transmits monochromatic light to irradiate a sample and collects light transmitted from the sample, a spectrophotometer that monitors UV/visible light absorbed by the sample and a data analysis system that correlates absorbance to a predetermined reaction component in the molten polycarbonate polymer and/or oligomer sample and in combination with the other recited limitations of claims 1 and 27.

Claims 2-26 and 28-53 are allowed by the virtue of dependency on allowed claims 1 and 27.

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In light of the applicant's remarks and amendment on 5-9-03 the following claims are allowed. Regarding claims 54-56, the prior art fails to disclose or make obvious a method for real time monitoring of molten polycarbonate composition during production wherein the method comprises a probe(maintaining constant temperature) in optical contact with a stream of polymer and/or oligomer, irradiating the sample with monochromatic radiation, monitoring UV/visible light absorbed by the sample and correlating the light absorbed by the irradiated sample to levels of Fries products and phenolic end-groups and in combination with the other recited limitations of claims 54-56.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Willie Davis whose telephone number is 703-305-5169. The examiner can normally be reached on 9:30am-6pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Frank Font can be reached on 703-308-4881. The fax phone numbers for the organization where this application or proceeding is assigned are 703-308-7722 for regular communications and 703-308-0956 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-7722.

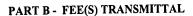
Application/Control Number: 09/682,365

Art Unit: 2877

Willie Davis

June 18, 2003

Michael P. Stafina
Primary Patent Examiner
Technology Center 2800



Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents Alexandria, Virginia 22313-1450

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INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 4 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for

Note: A certificate of mailing can only be used for domestic mailings of the Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission. maintenance fee notifications.

CURRENT CORRESPONDENCE ADDRESS (Note: Legibly mark-up with any corrections or use Block I) 06/26/2003 7590 Cynthia B Rothschild Esq Certificate of Mailing or Transmission Kilpatrick Stockton LLP I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Box Issue Fee address above, or being facsimile transmitted to the USPTO, on the date indicated below. 1001 West Fourth Street Winston Salem, NC 27101 (Depositor's name) (Signature ATTORNEY DOCKET NO. CONFIRMATION NO. FIRST NAMED INVENTOR APPLICATION NO. FILING DATE RD-28149 Radislav Alexandrovich Potyrailo 08/24/2001 09/682,365 TITLE OF INVENTION: METHOD AND APPARATUS FOR IN SITU DETERMINATION OF MOLTEN POLYCARBONATE COMPOSITION USING ELECTRONIC ABSORPTION SPECTROSCOPY DATE DUE TOTAL FEE(S) DUE PUBLICATION FEE SMALL ENTITY ISSUE FEE APPLN, TYPE \$1600 09/26/2003 \$300 \$1300 NO nonprovisional CLASS-SUBCLASS ART UNIT **EXAMINER** . 356-319000 2877 DAVIS, WILLIE L 2. For printing on the patent front page, list (1) 1. Change of correspondence address or indication of "Fee Address" (37 the names of up to 3 registered patent attorneys or agents OR, alternatively, (2) the name of a ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. single firm (having as a member a registered attorney or agent) and the names of up to 2 ☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required. registered patent attorneys or agents. If no name is listed, no name will be printed. 3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type) PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. Inclusion of assignee data is only appropriate when an assignment has been previously submitted to the USPTO or is being submitted under separate cover. Completion of this form is NOT a substitute for filing an assignment. (B) RESIDENCE: (CITY and STATE OR COUNTRY) (A) NAME OF ASSIGNEE ☐ individual ☐ corporation or other private group entity ☐ government Please check the appropriate assignee category or categories (will not be printed on the patent) 4b. Payment of Fee(s): 4a. The following fee(s) are enclosed: A check in the amount of the fee(s) is enclosed. ☐ Issue Fee ☐ Payment by credit card. Form PTO-2038 is attached. ☐ Publication Fee ☐ The Commissioner is hereby authorized by charge the required fee(s), or credit any overpayment, to Deposit Account Number ______(enclose an extra copy of this form). ☐ Advance Order - # of Copies Deposit Account Number Commissioner for Patents is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above. (Authorized Signature) NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office. This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, Alexandria, Virginia 22313-1450.

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09/682,365	08/24/2001		08/24/2001 Radislav Alexandrovich Potyrailo	RD-28149	9524
7:	590	06/26/2003		EXAMIN	ER
Cynthia B Rothschild Esq Kilpatrick Stockton LLP			DAVIS, WILLIE L		
1001 West Fourth				ART UNIT	PAPER NUMBER
Winston Salem, NC 27101				2877	
			DATE MAILED: 06/26/2003		

Determination of Patent Term Adjustment under 35 U.S.C. 154 (b) (application filed on or after May 29, 2000)

The patent term adjustment to date is 139 days. If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the term adjustment will be 139 days.

If a continued prosecution application (CPA) was filed in the above-identified application, the filing date that determines patent term adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) system. (http://pair.uspto.gov)

Any questions regarding the patent term extension or adjustment determination should be directed to the Office of Patent Legal Administration at (703)305-1383.



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75	590 06/26/2003		EXAMIN	ER
Cynthia B Rothso Kilpatrick Stocktor			DAVIS, WI	LLIE L
1001 West Fourth			ART UNIT	PAPER NUMBER
Winston Salem, NO UNITED STATES			2877	
		DATE MAILED: 06/26/2003		

Notice of Fee Increase on January 1, 2003

If a reply to a "Notice of Allowance and Fee(s) Due" is filed in the Office on or after January 1, 2003, then the amount due will be higher than that set forth in the "Notice of Allowance and Fee(s) Due" since there will be an increase in fees effective on January 1, 2003. See Revision of Patent and Trademark Fees for Fiscal Year 2003; Final Rule, 67 Fed. Reg. 70847, 70849 (November 27, 2002).

The current fee schedule is accessible from: http://www.uspto.gov/main/howtofees.htm.

If the issue fee paid is the amount shown on the "Notice of Allowance and Fee(s) Due," but not the correct amount in view of the fee increase, a "Notice to Pay Balance of Issue Fee" will be mailed to applicant. In order to avoid processing delays associated with mailing of a "Notice to Pay Balance of Issue Fee," if the response to the Notice of Allowance and Fee(s) due form is to be filed on or after January 1, 2003 (or mailed with a certificate of mailing on or after January 1, 2003), the issue fee paid should be the fee that is required at the time the fee is paid. If the issue fee was previously paid, and the response to the "Notice of Allowance and Fee(s) Due" includes a request to apply a previously-paid issue fee to the issue fee now due, then the difference between the issue fee amount at the time the response is filed and the previously paid issue fee should be paid. See Manual of Patent Examining Procedure, Section 1308.01 (Eighth Edition, August 2001).

Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at (703) 305-8283.